

time slot for signaling in the uplink direction is allocated to a respective mobile station according to a predetermined sequence of the mobile stations, the allocation being independent of any packet data transmission so that the mobile station may transmit in the time slot allocated for signaling even if the mobile station does not transmit any packet data for the duration of a current and next macroframe.

REMARKS

This Amendment is submitted to correct a minor error in claim 33.

It is respectfully requested that this Supplemental Amendment be entered in the above-referenced application.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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## VERSION WITH MARKINGS TO SHOW CHANGES MADE

### IN THE CLAIMS:

Please AMEND the claim in accordance with the following:

33. (TWICE AMENDED) A base station system for configuring a radio interface between a mobile station and a base station of a time-division multiplex mobile radio system for packet data transmission, comprising:

- a base station;

- a plurality of mobile stations, wherein a transmission from a mobile station to the base station is defined as an uplink direction, and a transmission from the base station to a mobile station is defined as a downlink direction;

- a channel formed by at least one time slot per time-division multiplex frame, wherein the packet data transmission from the plurality of mobile stations takes place via the channel;

- a macroframe formed from a combination of frames;

- a time slot for signaling provided at cyclic intervals in the channel; and

- a control device to allocate time slots to the plurality of mobile stations, wherein just one time slot for signaling in the uplink direction is allocated to a respective mobile station according to a predetermined sequence of the mobile stations, the allocation being independent of any packet data transmission so that the mobile station [transmits] may transmit in the time slot allocated for signaling even if the mobile station does not transmit any packet data for the duration of a current and next macroframe.